



A SIKA BRAND

PRODUCT DATA SHEET

Casco[®] VD Universal Primer

A solvent-free dispersion primer concentrate.



DESCRIPTION

A solvent-free synthetic resin dispersion primer concentrate for reducing absorbency, protection against moisture and increasing adhesion of the levelling compound.

USES

- For indoor use only.
- For floor and wall.
- Suitable for substrates with underfloor heating.

CHARACTERISTICS / ADVANTAGES

- Solvent free
- Low consumption
- Concentrate, can be diluted with water
- Easy to apply
- Good adhesion to the absorbent substrates
- Can be applied to almost all substrates

APPROVALS / CERTIFICATES

- EC1 Plus
- M1

PRODUCT INFORMATION

Composition	Synthetic resin dispersion, solvent free
Packaging	1 kg bottle (x 12 in box), 5 kg canister, 10 kg canister
Shelf life	12 months in unopened package. Opened package should be closed immediately and used up as soon as possible.
Storage conditions	In cool, dry, frost-free conditions, not below + 5 °C.
Colour	Light blue
Density	1,04 kg/l
Solid content by volume	approx. 30 %
pH-Value	approx. 8,0

APPLICATION INFORMATION

Mixing ratio	Read below in chapter "Mixing".
Yield	10 - 25 m ² / kg (40-100g/m ²), depending on the type and absorbency of the substrate, applicator device and mixing ratio.
Ambient air temperature	+5°C to +25°C (subfloor not below +5°C)

Waiting time to overcoating

- Adhesion improvement and absorption reduction approx. 0,5 hours
- As moisture protection approx. 24 hours

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

Casco® VD Universal Primer can be used as a primer for reducing absorbency, to improve adhesion for levelling compounds on absorbent substrates and to protect against moisture in levelling compounds during the application phase. Also, it can be used as an additive for bonding slurry preparation.

For non-absorbent surfaces, Casco® VD Super Grip is recommended.

EQUIPMENT

Brush or roller.

SUBSTRATE QUALITY

Casco® VD Universal Primer is suitable on:

- Concrete
- Light concrete
- Cement and rapid cement screeds
- Calcium sulphate-based screeds
- Gypsum plaster (according to EN 13279-1)
- Cement plaster, lime-cement plaster (CS I - CS IV according to EN 998-1)
- Old substrates with old water-resistant adhesive residues
- Gypsum board
- Wooden substrates

REQUIREMENTS OF SUBSTRATE

- Adequate strength, bearing strength, dimensional stability and permanent dry.
- Free of layers which reduce adhesion, e.g., dust, dirt, oil, fat, wax cleaning agents and loose particles.
- Layers of water-soluble adhesives, e.g., sulphite adhesives, should be removed completely.
- Old water-resistant adhesives should be mechanically removed as thoroughly as possible.
- Rooms that do not have a cellar underneath must be sealed against rising dampness in compliance with the standard.
- The requirements of the relevant valid standards, guidelines and data sheets apply.

SUBSTRATE PREPARATION

Mechanically remove areas of loose surfacing, pollutants, and cement skin, if any. Vacuum clean the surface. The underlying surface must be firm, clean, and dust-free before priming.

MIXING

For reducing absorbency and improving adhesion (primer: water):

Concrete	1:5
Light concrete	1:3
Cement and rapid cement screeds	1:3
Calcium sulphate-based screeds	1:1
Gypsum plaster	1:1
Cement plaster, lime-cement plaster	1:3
Gypsum board	1:1

For protection against moisture in levelling compounds during the application phase:

Wooden substrates	1:1
Calcium sulphate-based screeds	1:1
Gypsum plaster	1:1
Substrates with old water-resistant adhesive residues	1:1

For improving adhesion with a bonding slurry:

- Concrete
- Light concrete
- Cement and rapid cement screeds
- Cement plaster, lime-cement plaster

Bonding slurry preparation (1 part of VD, 3 parts of water + powder) Mixing ratio according to the specification in the product data sheet of the product suitable for preparing bonding slurries.

APPLICATION

Recommended method of working:

- Stir the primer before use.
- Dilute it with cold clean water
- Apply primer evenly on the dry substrate with a brush so that the primer penetrates the substrate efficiently. Puddles must be avoided.
- Levelling compounds can be applied after a drying time approx. 0,5 - 24 hours. Refer to the product data sheets for the appropriate levelling compounds.

In case of using bonding slurry, the application of levelling compound must be done by method "wet on wet".

PRODUCT DATA SHEET

Casco® VD Universal Primer
October 2022, Version 02.01
02179040000000039

If the primer is applied on wood or gypsum board, the surface must dry at least 24 h before a leveling compound is applied.

Note! If the primed surface is older than 72 hours (3d) before applying the leveling compound, the priming needs to be repeated.

CLEANING OF EQUIPMENT

Clean tools immediately with water. Use acetone to remove dried primer.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Casco products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request or on the website www.casco.eu.

Sika Sverige AB

Domnarvsgatan 15
Box 8061
SE- 163 08 Spånga Sweden
TEL: +46 8 621 89 00
info@se.sika.com
www.casco.eu



PRODUCT DATA SHEET

Casco® VD Universal Primer
October 2022, Version 02.01
02179040000000039

CascoVDUniversalPrimer-en-SECASCO-(10-2022)-2-1.pdf